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ABSTRACT

The seventh in a series of eight reports on mental retardation in a Canadian province provided basic psychometric, social and conceptual maturity data of the study and outlined preliminary analytical tables designed to validate research questions. The report was explained to represent a transition from theoretical discussion of mental retardation to actual isolation and study of mentally retarded persons and other persons who had significant influence on lives of the retarded. Sections one through three placed individuals by age/sex categories on a table according to test scores on the Wechsler Intelligence Test for Children, the Draw-A-Person test, and the Vineland Social Maturity Scale. The psychometric data permitted selection of persons requiring further screening for mental retardation. Section four represented identification of sub-samples and significant persons groups. Demographical and analytical analysis in sections five and six tested variables related to epidemiology (incidence and disease control) of mental retardation as established in hypotheses included in the fourth report. The seventh section concerned interviewer evaluation. (See also ED 040 528, ED 042 277, ED 038 787, ED 037 863, ED 047 472, EC 040 222, and EC 040 224.) (CB)

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MENTAL RETARDATION IN A CANADIAN PROVINCE

Report No. 7

PRELIMINARY OUTLINE OF ANALYSIS

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Canadian Council on Social Development
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MENTAL RETARDATION IN A CANADIAN PROVINCE

PRELIMINARY OUTLINE OF ANALYSIS

Report No. 7

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July, 1971

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PREFACE

This report combined with Number 8 to be issued almost simultaneously provides the basic psychometric, social and conceptual maturity data of the study and outlines preliminary analytical tables intended to test research questions.

Gail C. Love has made a major contribution to the compilation of this report.

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MENTAL RETARDATION IN A CANADIAN PROVINCE

Introduction

This outline of analysis is preliminary in that it is only an initial beginning in the study of the variables involved in mental retardation. The report, in the evolution of the study, represents the transition from a theoretical discussion of the mental retardation phenomena to the actual isolation and study of retardate sub-samples and other persons that play a significant influence in the lives of the retarded.

For ease in analysis of data, Report No. 7 has been divided into a number of sections. Sections 1 through 3 place every individual by age/sex categories on a table according to their score on the psychometric measure applicable. From these three sections, it was possible for the research staff to select all individuals whose performance, in relation to their age peers, indicated that further screening for mental retardation was needed.

The screening technique is explained in other reports. It will suffice to say that Table 1 of Section 4 represents the final selection of the retardate sub-samples by degree to retardation. Also in this section, the procedure used for inclusion of significant person groups on the data tape is given.

Sections 5 and 6 test variables related to the nature and prevalence of mental retardation as set down in the hypotheses included in Report No. 4.

Section 7 both evaluates the performance of the individual interviewers and tests for possible errors in selection of the retardate sub-samples caused by interviewer differences.

Section 1: WISC by Age Groups

Identification Number: Card types 03, 07 or 08
Cols 1 through 8 (8 digit number)
Punches 11001101 through 36116105

Age: Card type 03
Cols 15 through 20
Punches 05 00 00 through 69 11 30

Sex: Card type 03
Col 25
Punches: Male = 1
Female = 0
Male/Female = 0, 1 (two 1 digit numbers)

Tables in this section include a number of score types designated as follows:

GI - General Information
SIM - Similarities
PA - Picture Arrangement
OA - Object Assembly

T - Total
R - Raw
S - Scaled
V - Verbal
P - Performance

Score types are combined as, for example, in Table 1, RGI = Raw General Information and as SGI = Scaled General Information. Raw Scores are listed in ascending order of magnitude.

Total numbers of scores not available are tabulated in the following tables under a number of designations as follows:

SNA - subject not available
RBS - refusal on behalf of subject
STR - sub-test refused
SI - subject incapable
R - refusal

Designations for unavailable data are shown by either a two digit or three digit number. A complete explanation of score ranges is given as in Statistical Recording Procedures, Report No. 6, Mental Retardation in a Canadian Province.(9)

Raw General Information (RGI):	Card type 07 Cols 39, 40 (2 digit number) Punches 00 through 99
Scaled General Information (SGI):	Card type 07 Cols 41, 42 (2 digit number) Punches 00 through 99
Raw Similarities (RSIM):	Card type 07 Cols 61, 62 (2 digit number) Punches 00 through 99
Scaled Similarities (SSIM):	Card type 07 Cols 63, 64 (2 digit number) Punches 00 through 99
Raw Total Verbal (RTV):	Card type 07 Cols 67, 68 (2 digit number) Punches 00 through 99
Scaled Total Verbal (STV):	Card type 07 Cols 69, 70 (2 digit number) Punches 00 through 99
Raw Object Assembly (ROA):	Card type 08 Cols 16, 17 (2 digit number) Punches 00 through 99
Scaled Object Assembly (SOA):	Card type 08 Cols 18, 19 (2 digit number) Punches 00 through 99
Raw Picture Arrangement (RPA):	Card type 08 Cols 33, 34 (2 digit number) Punches 00 through 99
Scaled Picture Arrangement (SPA):	Card type 08 Cols 35, 36 (2 digit number) Punches 00 through 99
Raw Total Performance (RTP):	Card type 08 Cols 39, 40 (2 digit number) Punches 00 through 99
Scaled Total Performance (STP):	Card type 08 Cols 41, 42 (2 digit number) Punches 00 through 99

Raw Total (RT): Card type 08
Cols 47, 48, 49 (3 digit number)
Punches 000 through 999

Scaled Total (ST): Card type 08
Cols 50, 61 (2 digit number)
Punches 00 through 99

TABLE 1: Female - Age 05 00 00 through 05 03 30 X Raw and Scaled General Information Scores.

Note: Scores contributing to sub-total A are actual scores of RGI and SGI. Sub-total B is for tabulations (the number of subjects punched 86 + 87 + 88 + 89 + 99 for each of RGI and SGI). The ID numbers of subjects contributing to sub-total B should be arranged in numerical order for each punch 86 through 99. Punches 86 through 99 are the same for individuals on both RGI and SGI.

Identification Number	Sex	General Information Raw	Scaled
	F	(00 through 30 in ascending order of magnitude)	(00 through 20 scaled score by individual)
Sub-total A			
Mean			
Standard Deviation			

Identification Number	Sex	General Information Raw	Scaled
Tabulations:			
(numeric ordering of ID's)	F	SNA (86)	
(as immediately above)		RBS (87)	
(as immediately above)		STR (88)	
(as immediately above)		SI (89)	
(as immediately above)		R (99)	
Sub-total B			

A) RGI scores listed in ascending order of magnitude from 00 through 30. This is a listing of scores and not tabulations of the number of subjects with specific scores.
B) Identification numbers for subjects in order of A) above.
C) SGI scores for subjects.
D) Sub-total A for each of RGI and SGI.
E) N of scores to sub-total A for RGI and SGI.
F) M of scores to sub-total A for RGI and SGI.

G) Standard deviation of scores to sub-total A for RGI and SGI.
H) Identification numbers listed numerically within RGI punches 86 through 99 (see I following).
I) Tabulations of the number of subjects with RGI and SGI punches 86 through 99.
J) Sub-total B: number of subjects for each of RGI and SGI punches 86 through 99.

Note: Subsequent tables in Section 1 follow the format of TABLE 1. Age, sex and score types change as above.

TABLE 2: as TABLE 1 except sex male.

TABLE 3: as TABLE 1 except sex male/female. The total group of subjects from TABLES 1 and 2 are included disregarding sex.

TABLE 4: as TABLE 1 except substitute RSIM (00 through 40) for RGI and SSIM for SGI.

TABLE 5: as TABLE 4 except sex male.

TABLE 6: as TABLE 4 except sex male/female.

TABLE 7: as TABLE 1 except substitute RTV (00 through 70) for RGI and STV for SGI.

TABLE 8: as TABLE 7 except sex male.

TABLE 9: as TABLE 7 except sex male/female.

TABLE 10: as TABLE 1 except substitute ROA (00 through 34) for RGI and SOA for SGI.

TABLE 11: as TABLE 10 except sex male.

TABLE 12: as TABLE 10 except sex male/female.

TABLE 13: as TABLE 1 except substitute RPA (00 through 57) for RGI and SPA for SGI.

TABLE 14: as TABLE 13 except sex male.

TABLE 15: as TABLE 13 except sex male/female.

TABLE 16: as TABLE 1 except substitute RTP (00 through 91) for RGI and STP for SGI. For punches 86, 87, 88, 89 and 99 of RGI and SGI in TABLE 1 substitute punches 95, 96, 97, 98 and 99 respectively in TABLE 16.

TABLE 17: as TABLE 16 except sex male.

TABLE 18: as TABLE 17 except sex male/female.

TABLE 19: as TABLE 1 except substitute RT (000 through 149) for RGT and ST (00 through 80) for SGI. For punches 86, 87, 88, 89 and 99 of RGI and SGI in TABLE 1 substitute STR (888) and R (999) for RT and STR (88) and R (99) for ST.

TABLE 20: as TABLE 19 except sex male.

TABLE 21: as TABLE 19 except sex male.

Note: the above 21 tables are an analysis of WISC scores for the 05 00 00 through 05 03 30 age group. The following groups of tables use the same format but apply to age groups as specified.

TABLES 22 through 42: age group 05 04 00 through 05 07 30.

TABLES 43 through 63: age group 05 08 00 through 05 11 30.

TABLES 64 through 84: age group 06 00 00 through 06 03 30.

TABLES 85 through 105: age group 06 04 00 through 06 07 30.

TABLES 106 through 126: age group 06 08 00 through 06 11 30.

TABLES 127 through 147: age group 07 00 00 through 07 03 30.

TABLES 148 through 168: age group 07 04 00 through 07 07 30.

TABLES 169 through 189: age group 07 08 00 through 07 11 30.

TABLES 190 through 210: age group 08 00 00 through 08 03 30.

TABLES 211 through 231: age group 08 04 00 through 08 07 30.

TABLES 232 through 252: age group 08 08 00 through 08 11 30.

TABLES 253 through 273: age group 09 00 00 through 09 03 30.

TABLES 274 through 294: age group 09 04 00 through 09 07 30.

TABLES 295 through 315: age group 09 08 00 through 09 11 30.

TABLES 316 through 336: age group 10 00 00 through 10 03 30.

TABLES 337 through 357: age group 10 04 00 through 10 07 30.

TABLES 358 through 378: age group 10 08 00 through 10 11 30.

TABLES 379 through 399: age group 11 00 00 through 11 03 30.

TABLES 400 through 420: age group 11 04 00 through 11 07 30.

TABLES 421 through 441: age group 11 08 00 through 11 11 30.

TABLES 442 through 462: age group 12 00 00 through 12 03 30.

TABLES 463 through 483: age group 12 04 00 through 12 07 30.

TABLES 484 through 504: age group 12 08 00 through 12 11 30.

TABLES 505 through 525: age group 13 00 00 through 13 03 30.

TABLES 526 through 546: age group 13 04 00 through 13 07 30.

TABLES 547 through 567: age group 13 08 00 through 13 11 30.

TABLES 568 through 588: age group 14 00 00 through 14 03 30.

TABLES 589 through 609: age group 14 04 00 through 14 07 30.

TABLES 610 through 630: age group 14 08 00 through 14 11 30.

TABLES 631 through 651: age group 15 00 00 through 15 03 30.

TABLES 652 through 672: age group 15 04 00 through 15 07 30.

TABLES 673 through 693: age group 15 08 00 through 15 11 30.

TABLES 694 through 714: age group 16 00 00 through 16 11 30.

TABLES 715 through 735: age group 17 00 00 through 17 11 30.

TABLES 736 through 756: age group 18 00 00 through 18 11 30.

TABLES 757 through 777: age group 19 00 00 through 19 11 30.

TABLES 778 through 798: age group 15 00 00 through 19 11 30.

TABLES 799 through 819: age group 20 00 00 through 24 11 30.

TABLES 820 through 840: age group 25 00 00 through 29 11 30.

TABLES 841 through 861: age group 30 00 00 through 34 11 30.

TABLES 862 through 882: age group 35 00 00 through 39 11 30.

TABLES 883 through 903: age group 40 00 00 through 44 11 30.

TABLES 904 through 924: age group 45 00 00 through 49 11 30.

TABLES 925 through 945: age group 50 00 00 through 54 11 30.

TABLES 946 through 966: age group 55 00 00 through 59 11 30.

TABLES 967 through 987: age group 60 00 00 through 64 11 30.

TABLES 988 through 1008: age group 65 00 00 through 69 11 30.

Section 2: DAP by Age Groups

Identification numbers: Card types 03 or 10
Cols 1 through 8 (8 digit number)
Punches 11001101 through 36116105

Age: Card type 03
Cols 15 through 20
Punches 03 00 00 through 99 99 99

Sex: Card type 03
Col 25
Punches: Male = 1
Female = 0
Male/Female = 0, 1

DAP Scores: Card type 10
Cols 45, 46 (2 digit numbers)
Punches: 00 through 73 (2 digit number)
88 test not administered
99 N/A

Disposition of DAP's: Card type 10
Col 44
Punches: 1 = refused
2 = administered
3 = subject incapable
4 = refused on behalf of subject
8 = subject qualified/DAP not administered
9 = N/A

TABLE 1: Disposition of DAP tests for all age groups.

Disposition of Test										Total
(1)		(2)		(3)		(4)		(8)		
N	%	N	%	N	%	N	%	N	%	

A) Tabulations
B) Total
C) Per cents by row

TABLE 2: Female - Age 03 00 00 through 03 03 30 X DAP Scores.

Identification Number	Sex	DAP Score
	F	(00 through 73 in ascending order of magnitude)
Totals		
Mean		
Standard Deviation		

Identification Number	Sex	DAP Score
Tabulations:		
(numeric ordering of ID's)	F	TNA (88)

A) DAP Scores (00 through 73) in ascending order of magnitude.
B) Identification numbers for subjects.
C) N
D) M of scores.
E) SD of scores.
F) ID numbers listed numerically with punch 88.
G) Tabulations of the number of TNA (88) subjects.

Note: Punch 99 is not included in this Table.

TABLE 3: as TABLE 2 except sex male.

TABLE 4: as TABLE 2 except sex male/female.

Note: TABLES 2, 3 and 4 are an analysis of DAP Scores for the 03 00 00 through 03 03 30 age group. The following groups of tables use the same format but apply to different age groups as specified.

TABLES 5, 6, 7: as TABLES 2, 3, 4 except age 03 04 00 through 03 07 30.

TABLES 8, 9, 10: as TABLES 2, 3, 4 except age 03 08 00 through 03 11 30.

TABLES 11, 12, 13: as TABLES 2, 3, 4 except age 04 00 00 through 04 03 30.

TABLES 14, 15, 16: as TABLES 2, 3, 4 except age 04 04 00 through 04 07 30.

TABLES 17, 18, 19: as TABLES 2, 3, 4 except age 04 08 00 through 04 11 30.

TABLES 20, 21, 22: as TABLES 2, 3, 4 except age 05 00 00 through 05 03 30.

TABLES 23, 24, 25: as TABLES 2, 3, 4 except age 05 04 00 through 05 07 30.

TABLES 26, 27, 28: as TABLES 2, 3, 4 except age 05 08 00 through 05 11 30.

TABLES 29, 30, 31: as TABLES 2, 3, 4 except age 06 00 00 through 06 03 30.

TABLES 32, 33, 34: as TABLES 2, 3, 4 except age 06 04 00 through 06 07 30.

TABLES 35, 36, 37: as TABLES 2, 3, 4 except age 06 08 00 through 06 11 30.

TABLES 38, 39, 40: as TABLES 2, 3, 4 except age 07 00 00 through 07 03 30.

TABLES 41, 42, 43: as TABLES 2, 3, 4 except age 07 04 00 through 07 07 30.

TABLES 44, 45, 46: as TABLES 2, 3, 4 except age 07 08 00 through 07 11 30.

TABLES 47, 48, 49: as TABLES 2, 3, 4 except age 08 00 00 through 08 03 30.

TABLES 50, 51, 52: as TABLES 2, 3, 4 except age 08 04 00 through 08 07 30.

TABLES 53, 54, 55: as TABLES 2, 3, 4 except age 08 08 00 through 08 11 30.

TABLES 56, 57, 58: as TABLES 2, 3, 4 except age 09 00 00 through 09 03 30.

TABLES 59, 60, 61: as TABLES 2, 3, 4 except age 09 04 00 through 09 07 30.

TABLES 62, 63, 64: as TABLES 2, 3, 4 except age 09 08 00 through 09 11 30.

TABLES 65, 66, 67: as TABLES 2, 3, 4 except age 10 00 00 through 10 03 30.

TABLES 68, 69, 70: as TABLES 2, 3, 4 except age 10 04 00 through 10 07 30.

TABLES 71, 72, 73: as TABLES 2, 3, 4 except age 10 08 00 through 10 11 30.

TABLES 74, 75, 76: as TABLES 2, 3, 4 except age 11 00 00 through 11 03 30.

TABLES 77, 78, 79: as TABLES 2, 3, 4 except age 11 04 00 through 11 07 30.

TABLES 80, 81, 82: as TABLES 2, 3, 4 except age 11 08 00 through 11 11 30.

TABLES 83, 84, 85: as TABLES 2, 3, 4 except age 12 00 00 through 12 03 30.

TABLES 86, 87, 88: as TABLES 2, 3, 4 except age 12 04 00 through 12 07 30.

TABLES 89, 90, 91: as TABLES 2, 3, 4 except age 12 08 00 through 12 11 30.

TABLES 92, 93, 94: as TABLES 2, 3, 4 except age 13 00 00 through 99 99 99.

Section 3: SMS Raw Scores and Social Age by Age Groups

Identification numbers: Card types 03 or 09
Cols 1 through 8 (8 digit number)
Punches 11001101 through 36116105

Age: Card type 03
Cols 15 through 20
Punches 00 00 00 through 99 99 99

Sex: Card type 03
Col 25
Punches: Male = 1
Female = 0
Male/Female = 0, 1

SMS Raw Score (SMSR): Card type 09
Cols 16, 17 (2 digit number)
Punches 00 through 89, 99

SMS Social Age (SMSSA): Card type 09
Cols 18 through 21 (4 digit number)
Punches 00.00 through 15.00, 99 99

SMS Respondent: Card type 09
Col 12
Punches: 0 = mother
1 = father
3 = grandparent
4 = sibling
5 = foster parent
6 = social worker
7 = housekeeper
8 = other
9 = unknown

TABLE 1: SMS Respondents

Respondent																		Total
(0)		(1)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		
N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	

A) Tabulations
B) Total
C) Per cents

TABLE 2: Female - Ages 00 00 00 through 00 03 30 X SMS Raw Scores and Social Ages.

Identification Number	Sex	SMS Raw	SMS Social Age
	F	(00 through 89 in ascending order of magnitude)	(00.00 through 15.00 SMS Social Age for individuals)
Total			
Mean			
Standard Deviation			

A) SMS Raw Scores in ascending order of magnitude
B) Identification Numbers
C) Social Age
D) Totals for Raw Scores and Social Ages
E) N
F) M of Raw Scores and Social Ages
G) SD for Raw Scores and Social Ages

TABLE 3: as TABLE 2 except sex male.

TABLE 4: as TABLE 2 except sex male/female.

Note: TABLES 2, 3 and 4 are an analysis of SMS Raw Scores and Social Ages for 00 00 00 through 00 03 30 age group. The following groups of tables use the same format but apply to different age groups as specified.

TABLES 5, 6, 7: as TABLES 2, 3, 4 except age 00 04 00 through 00 07 30

TABLES 8, 9, 10: as TABLES 2, 3, 4 except age 00 08 00 through 00 11 30

TABLES 11, 12, 13: as TABLES 2, 3, 4 except age 01 00 00 through 01 03 30

TABLES 14, 15, 16: as TABLES 2, 3, 4 except age 01 04 00 through 01 07 30

TABLES 17, 18, 19: as TABLES 2, 3, 4 except age 01 08 00 through 01 11 30

TABLES 20, 21, 22: as TABLES 2, 3, 4 except age 02 00 00 through 02 03 30

TABLES 23, 24, 25: as TABLES 2, 3, 4 except age 02 04 00 through 02 07 30

TABLES 26, 27, 28: as TABLES 2, 3, 4 except age 02 08 00 through 02 11 30

TABLES 29, 30, 31: as TABLES 2, 3, 4 except age 03 00 00 through 03 03 30

TABLES 32, 33, 34: as TABLES 2, 3, 4 except age 03 04 00 through 03 07 30

TABLES 35, 36, 37: as TABLES 2, 3, 4 except age 03 08 00 through 03 11 30

TABLES 38, 39, 40: as TABLES 2, 3, 4 except age 04 00 00 through 04 03 30

TABLES 41, 42, 43: as TABLES 2, 3, 4 except age 04 04 00 through 04 07 30

TABLES 44, 45, 46: as TABLES 2, 3, 4 except age 04 08 00 through 04 11 30

TABLES 47, 48, 49: as TABLES 2, 3, 4 except age 05 00 00 through 99 99 99

Section 4: Identification of Sub-Samples and Significant Persons Groups

Analysis of data requires the breakdown of the total study sample of approximately 4,500 subjects into a number of groups across which variables will be examined. Samples that include the mentally retarded are designated SS1 (sub-sample 1), SS2, and SS3 according to level of retardation - SS1 being the most severely handicapped. The remainder of the total study sample is sub-divided into two groups. The first of these is the "Sample" or "S" and includes all subjects under age 70 who are not included in one of the three sub-samples. The remaining group is designated as "Upper Range" or "UR" and includes all subjects 70 or more years of age. The UR's are identified separately since they do not figure in the application of the Index (Section 1).

"Total Response" or "TR" refers to the response of the entire study sample on a particular variable.

A further classification of subjects cuts across the membership of the above samples and defines groups of persons significant in the lives of the mentally retarded. Individual subjects, in some instances, may be included in more than one significant persons category. Significant persons, in this analysis, includes parents, spouses, and siblings. Any of the groups may be dichtomized by sex or otherwise sub-divided into smaller units for analysis.

Significant persons groups and sub-samples are used extensively throughout the analysis and are defined here as a matter of convenience.

Sub-Samples	Significant Persons Groups
SS1	Parents
SS2	Spouses
SS3	Siblings

Sub-Samples 1, 2, 3

Allocation of subjects to SS1, SS2, or SS3 is determined mainly by the placement of their WISC, SMS, and/or DAP raw scores on the data curve of their age/sex group. The WISC is accepted as the primary data source and is the most influential factor in allocation of the subjects to sub-samples. Test scores by .5 standard deviation ranges from the mean by age/sex categories for WISC, SMS, and DAP are included in Report Number 8, WISC, SMS and DAP Score Distributions(10). As outlined in the discussion of the Index (Report Number 4)(6) where test scores do not indicate conclusively the correct placement of subjects, a number of further variables will be examined by research staff.

TABLE 1 is a listing of sub-sample membership by identification number of subjects. This Table was compiled by the research staff. Sub-sample membership is registered on the data tape as:

Card type 02
Cols 77, 78
Punches: 01 - SS1
02 - SS2
03 - SS3

TABLE 1: Subjects by Identification Numbers and Sub-Samples SS1, SS2, and SS3

Identification Number	Sub-Samples		
	SS1	SS2	SS3
XXXXXXXX		X	
XXXXXXXX	X		
XXXXXXXX			X

Sample and Upper Range

The "Sample" includes all subjects aged 00 00 00 through 69 11 30 who are not included in SS1, SS2, or SS3.

The "Upper Range" includes all subjects aged 70 00 00 through 99 00 00.

These have not been assigned codes but may be isolated as the residual of the total study sample after SS1, SS2 and SS3 are identified.

Significant Persons

A) Parental Groups

Parents are assigned to groups depending on whether or not they have a retarded child and the sub-sample placement of that child. Where there are two or more retarded siblings in the same family, the parents are assigned according to the placement of the more seriously afflicted child. This is dictated by the procedure for identifying parents. Parents who have only non-sub-sample children are also identified.

Parental groups are coded as follows:

Card type 02
Col 76
Punches: 1 = SS1F - female parent of SS1 child
2 = SS1M - male parent of SS1 child
3 = SS2F - female parent of SS2 child
4 = SS2M - male parent of SS2 child
5 - SS3F - female parent of SS3 child
6 = SS3M - male parent of SS3 child
7 = SF - female parent of non-sub-sample child
8 = SM - male parent of non-sub-sample child

Parents having children in one or more sub-samples will be tabulated as a separate table (TABLE 2).

Parents of SS1 subjects may be identified by one or more of the following procedures. All four steps must be followed to assure if there is a parent of a SS1 subject in the household.

1)	When the SS1 subject is:	Card type 03 Cols 7, 8 Punches 04 through 49, 70 through 79
	and there are:	Card type 03 Col 6 Punches 2 through 9
	the parent is SS1F or SS1M:	Card type 03 Cols 7, 8 Punches 01, 02, 03
2)	When the SS1 subject is:	Card type 03 Cols 23, 24 Punches 02 through 05, 07 through 10
	the parent is SS1F or SS1M:	Card type 03 Cols 23, 24 Punches 01, 25
3)	When the SS1 subject is:	Card type 03 Cols 23, 24 Punch 25
	the parent is SS1F or SS1M:	Card type 03 Cols 23, 24 Punch 18

4) When the SS1 subject is: Card type 03
Cols 23, 24
Punch 01

the parent is SS1F or SS1M: Card type 03
Cols 23, 24
Punch 19

SS2, followed by the SS3 parent group, is identified following the four above steps. The sequence SS1, SS2, SS3 places parents in the group for their most severely retarded child.

Identification numbers (any card type, cols 1 through 8) of parents of SS1, SS2 and/or SS3 subjects will be listed in TABLE 2.

TABLE 2: Identification Numbers of Parents with children in one or more Sub-Samples

Identification number of parents	Sub-Samples		
	SS1	SS2	SS3
XXXXXXXX	X		
XXXXXXXX	X	X	
XXXXXXXX	X	X	
XXXXXXXX	X		X

Parents with children in more than one sub-sample are included in the data tape as:

Card type 02
Col 75
Punches: child in
1 = SS1 and 2
2 = SS1 and 3
3 = SS2 and 3
4 = SS1, SS2, and SS3

The identification of the parent groups (SF and SM) of non-retarded subjects will exclude all families with a retarded child. This eliminates all non-retarded siblings of SS1, SS2, and SS3 subjects from consideration in identification of parent groups SF and SM.

Parents with only non-retarded children in the total sample (SF and SM) may be identified by the four steps outlined above for SS1 parents and are registered on the data tape as shown above (see page 20).

B) Spouses of the Mentally Retarded

Spouses of the mentally retarded (subjects in the total study sample who are married to individuals included in SS1, SS2, or SS3) can be identified by the following steps:

If married SS1, SS2, or SS3 subjects are:

Card type 03
Col 26
Punch 2 (for married status only)

Then couples (husband and wife) have identical nuclear unit identification numbers.

Nuclear unit identification number:

Card type 03
Cols 1 through 6 (6 digit number)

And the spouses' individual identification numbers:

Card type 03
Cols 7, 8 (2 digit number)

will vary according to those of the mentally retarded mate as:

When the SS1, SS2, or SS3 subject is punch:	The spouses' punch: Male	Female
01		03
03	01	

Spouses of the mentally retarded are included on the data tape as:

Card type 02
Col 74
Punches: 1 = Female Spouses of SS1 Subjects
2 = Male " " SS1 "
3 = Female " " SS2 "
4 = Male " " SS2 "
5 = Female " " SS3 "
6 = Male " " SS3 "

C) Unmarried Siblings (ages 00 00 00 through 24 11 30) of the Mentally Retarded

Siblings will be identified in the sequence SS1, SS2, and SS3 so subjects having more than one mentally retarded sibling will be placed in the sibling group of the more severely retarded member. Unmarried siblings of the mentally retarded can be identified through the following steps:

Siblings are identified on the data tape as:

Card type 02
Col 73
Punches:

1	Female	Siblings	of	SS1	Subjects
2	Male	"	"	SS1	"
3	Female	"	"	SS2	"
4	Male	"	"	SS2	"
5	Female	"	"	SS3	"
6	Male	"	"	SS3	"

1) All household members:

Retarded and non-retarded members of households have identical identification numbers in the first six digits,

When the SS1 subject is: Card type 03
Cols 1 through 6 (6 digit number)

The other family members have the same six digit identification number.

2) All siblings:

When the SS1 subject is: Card type 03
Cols 7, 8 (2 digit number)
Punches 04 through 19

Siblings have the same six digit number for Cols 1 through 6 but <u>different</u> punches in Cols 7 and 8 as:

Punches (Cols 7 and 8) 04 through 19

The above two steps identify siblings of SS1 subjects. Siblings of SS2 and SS3 subjects are identified similarly.

In review, the following significant persons groups by sex are available for analysis:

Male		Female	
1)	SS1M (sub-sample 1 male parents)	2)	SS1F
3)	SS2M	4)	SS2F
5)	SS3M	6)	SS3F
7)	SM (sample male parents)	8)	SF
9)	Male spouses of SS1 subjects	10)	Female spouses of SS1 subjects
11)	" " " SS2 "	12)	" " " SS2 "
13)	" " " SS3 "	14)	" " " SS3 "
15)	Male siblings of SS1 subjects	16)	Female siblings of SS1 subjects
17)	" " " SS2 "	18)	" " " SS2 "
19)	" " " SS3 "	20)	" " " SS3 "

Section 5: Demographic Analysis

Subject identification numbers (Cols 1 through 8) are composites that include designations for a number of additional discrete variables. Those used in this section are marked by an asterisk in the following list.

*Household identification: Cols 1 through 5 (5 digit number)
Punches 11001 through 36116

*County (Regional): Col 1
Punches 1, 2, 3

*Rural/Urban Population Strata: Col 2
Punches 1 through 6

*Head of Nuclear Family: Cols 7, 8 (2 digit number)
Punches 01 (male), 02 (female)

*Nuclear Family Relationships: Card type 01
Cols 7, 8 (2 digit number)
Punches 01 through 79, 99

Sub-Samples: Card type 02
Cols 77, 78
Punches: 01 - SS1
02 - SS2
03 - SS3

Age: Card type 03
Cols 15 through 20 (6 digit number)
Punches 00 00 00 through 99 00 00,
99 99 99

Sex: Card type 03
Col 25
Punches: Male = 1
Female = 0
Male/Female = 0, 1

Persons per Household: Card type 01
Cols 21, 22 (2 digit number)
Punches 01 through 15, 99

Occupations of Head of Family: Card type 04
Cols 9 through 12 (4 digit number)
Punches 25 36 through 84 00, 99 99

Household Income: Card type 01
Col 19
Punches 1 through 6, 9

Ethnicity:	Card type 04 Col 22 Punches 1 through 9
Languages Spoken:	Card type 04 Col 78 Punches 1 through 9
Religion:	Card type 03 Col 63 Punches 1 through 4, 9
Degree of Religion:	Card type 03 Col 64 Punches 0 through 4, 9

TABLE 1: Rural/Urban Population Strata X Regional Distribution X Samples

Note: There are no "Code 1" (Col 2) population strata entries for County Code 3, (Col 1) Regional = County.

Rural/Urban Population Strata	County (1)												Total (county)	
	SS1		SS2		SS3		Sub-total-		S		UR			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
(1)														
(2)														
(3)														
(4)														
(5)														
(6)														
TOTAL														

A) Tabulations
B) Sub-totals by rows
C) Totals by rows and columns
D) Per cents by columns

This Table is continued using the same format for County 2, County 3 and TOTALS (Counties 1, 2, 3).

TABLE 2: Persons per Household X Population Strata

Note: All members of a household have the same 5 digit identification number. The household size (N) is the numbers of persons with identical five digit numbers in Cols 1 through 5.

Number of Persons per Household	Population Strata												TOTALS	
	(1)		(2)		(3)		(4)		(5)		(6)			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
(01)														
(02)														
(03)														
(04)														
(05)														
(06)														
(07)														
(08)														
(09)														
(10)														
(11)														
(12)														
(13)														
(14)														
(15)														
TOTALS														

A) Tabulations
B) Totals by rows and columns
C) Per cents by columns
D) Means by columns

TABLE 3: Age/Sex Distribution X Population Strata X Samples

Age Groups*	Population Strata (1)																	
	Samples																	
	SS1						SS2						SS3				Sub-total					
	M		F		M/F		M		F		M/F		M		F		M/F		M		F		M/F	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
(00 - 04)																		
(05 - 09)																		
(10 - 14)																		
(15 - 19)																		
(20 - 24)																		
(25 - 29)																		
(30 - 34)																		
(35 - 39)																		
(40 - 44)																		
(45 - 49)																		
(50 - 54)																		
(55 - 59)																		
(60 - 64)																		
(65 - 69)																		
(70 - 74)																		
75 + ** (99 99 99)																		

* Age is as shown on cols 15 - 16 (see page).
** The range of 75 + is 75 00 00 to 99 00 00, cols 15 through 20 (see page).

TABLE 3: (cont'd.) Age/Sex Distribution X Population Strata X Samples

Age Group	Population Strata (1 - cont'd.)																	
	Samples																	
	S						UR						TOTAL					
	M		F		M/F		M		F		M/F		M		F		M/F	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
(00 - 04)																		
(05 - 09)																		
(10 - 14)																		
(15 - 19)																		
(20 - 24)																		
(25 - 29)																		
(30 - 34)																		
(35 - 39)																		
(40 - 44)																		
(45 - 49)																		
(50 - 54)																		
(55 - 59)																		
(60 - 64)																		
(65 - 69)																		
(70 - 74)																		
75 +																		
(99 99 99)																		

TABLE 3: (cont'd.)

A) Tabulations
B) Sub-totals by rows
C) Totals by rows and columns
D) Per cents by columns

This Table is continued using the same format for Population Strata 2 through 6 and TOTALS (Population Strata 1, 2, 3, 4, 5, 6).

TABLE 4: Nuclear Family Size X Population Strata

Note: All members of a nuclear family have the same 6 digit identification number. The family size, N of a family, is the number of persons with identical six digit numbers in Cols 1 through 6.

Family Size	Population Strata (1) Samples SS1 N	%	SS2 N	%	SS3 N	%	Sub-total N	%	S N	%	UR N	%	TOTAL N	%	Population Strata (2) Samples SS1 N	%	SS2 N	%	SS3 N	%	Sub-total N	%	S N	%	UR N	%	TOTAL N	%
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												
13																												
14																												
15																												
TOTALS																												

TABLE 4: (cont'd.)

A) Tabulation
B) Sub-total by rows
C) Totals by rows and columns
D) Per cents by columns

This Table is continued using the same format for Population Strata 3 through 6 and TOTALS (Population Strata 1, 2, 3, 4, 5, 6).

TABLE 5: Nuclear Family Relationship X Sex X Samples

Note: Female sex not applicable to nuclear family relationship 01, male sex not applicable to 02 or 03.

Relationship	Samples												Totals	
	SS1		SS2		SS3		Sub-total		S		UR			
	M	F	M	F	M	F	M	F	M	F	M	F		
	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N	%
(01)														
(02)														
Sub-total (01, 02)														
(03)														
(04 - 19 and 70 - 79)														
(20 - 39)														
(40 - 49)														
(50 - 59)														
Sub-total (04 - 79)														
(99)														
TOTALS														

A) Tabulations by punches or ranges of punches
B) Sub-totals by rows and columns
C) Totals by rows and columns
D) Per cents by columns

TABLE 6: Occupation of Head of Family X Samples

Note: Heads of families are identified from parental groups (SS1, SS2, SS3) S, and UR as Head of Nuclear Family, Cols 7 and 8, punches 01 (male head) and 02 (female head). See page 25.

Head of Family Occupations	Samples SS1 N	%	SS2 N	%	SS3 N	%	Sub-total N	%	S N	%	UR N	%	Totals N	%
(2500 - 2999)														
(3000 - 3499)														
(3500 - 3999)														
(4000 - 4499)														
(4500 - 4999)														
(5000 - 5499)														
(5500 - 5999)														
(6000 - 6499)														
(6500 - 6999)														
(7000 - 7499)														
(7500 - 7999)														
Sub-total A														
(8000)														
(8200)														
(8300)														
(8400)														
(9999)														
Sub-total B														
TOTALS														

A) Tabulations
B) Sub-totals by columns and rows
C) Totals by rows and columns
D) Per cents within sub-totals A and B by columns

TABLE 7: Household Income X Samples

Note: Income is punched only once per household. Cut-out for household is Cols 1 through 5.

Household Income	Samples						Totals	
	SS1	SS2	SS3	Sub-total	S	UR		
	N %	N %	N %	N %	N %	N %	N	%
(1)								
(2)								
(3)								
(4)								
(5)								
(6)								
Sub-total								
(9)								
TOTALS								

A) Tabulations
B) Sub-totals by rows and columns
C) Totals by rows and columns
D) Per cents by columns to sub-total

TABLE 8: Ethnicity X Samples

Ethnicity	Samples						Total	
	SS1	SS2	SS3	Sub-total	S	UR		
	N %	N %	N %	N %	N %	N %	N	%
(1 + 4)								
(2)								
(3)								
(5 + 7)								
(6 + 8)								
(9)								
TOTALS								

A) Tabulations
B) Sub-totals by rows
C) Totals by rows and columns
D) Per cents by columns

TABLE 9: Languages Spoken X Samples

Languages	Samples						Totals	
	SS1	SS2	SS3	Sub-total	S	UR		
	N %	N %	N %	N %	N %	N %	N	%
(1)								
(2)								
(3)								
(4)								
(5)								
(6 + 7 + 8)								
(9)								
TOTALS								

A) Tabulations
B) Sub-totals by rows
C) Totals by rows and columns
D) Per cents by columns

TABLE 10: Religion X Degree of Religion X Sample

Degree of Religion	Religion (1) Samples SS1 N	%	SS2 N	%	SS3 N	%	Sub-total N	%	S N	%	UR N	%	TOTAL N	%	Religion (2) Samples SS1 N	%	SS2 N	%	SS3 N	%	Sub-total N	%	S N	%	UR N	%	TOTAL N	%
(1)																												
(2)																												
(3)																												
(4)																												
Sub-total																												
(9)																												
(0)*																												
TOTALS																												

*A punch "0" indicates that the individual is under 16 years of age and therefore has not been queried as to degree of religion. Religion has been coded for every individual.

TABLE 10: (cont'd.)

A) Tabulation
B) Sub-totals by rows and columns
C) Totals by rows and columns
D) Per cents by columns

This Table is continued in the same format for Religion 3 + 4, Religion 9 and TOTAL (Religion 1, 2, 3, 4, 9).

Section 6: Analytical Analysis

Sub-Samples: Card type 02
Cols 77, 78
Punches 00 = S
01 = SS1
02 = SS2
03 = SS3

Parental Groups: Card type 02
Col 76
Punches 1 = SS1F - female parent of SS1 child
2 = SS1M - male " " " "
3 = SS2F - female parent of SS2 child
4 = SS2M - male " " " "
5 = SS3F - female parent of SS3 child
6 = SS3M - male " " " "
7 = SF - female parent of sample child
8 = SM - male " " " "

Spouses: Card type 02
Col 74
Punches 1 = Female spouse of SS1 subject
2 = Male " " " "
3 = Female spouse of SS2 subject
4 = Male " " " "
5 = Female spouse of SS3 subject
6 = Male " " " "

Siblings: Card type 02
Col 73
Punches 1 = Female sibling of SS1 subject
2 = Male " " " "
3 = Female sibling of SS2 subject
4 = Male " " " "
5 = Female sibling of SS3 subject
6 = Male " " " "

Age: Card type 03
Cols 15, 16
Punches 00 through 99

Sex: Card type 03
Col 25
Punch 0 = Female
1 = Male
0, 1 = Male/Female

Common Complaints: Card type 03
Col 54
Punches 0 through 5, 9

Disabilities 1: Card type 04
Col 72
Punches 1 through 9

Disabilities 2: Card type 03
Col 73
Punches 1 through 9

Gough Scale: Card type 05
(Sub-Scale A) Cols 9
13
15
18
25
26
30
32
33
34
39
40
Punches 1 through 3, 9

Gough Scale: Card type 05
(Sub-Scale B) Cols 10
11
12
14
16
17
19
20
21
22
23
24
27
28
29
31
35
36
37
38
Punches 1 through 3, 9

Perceived Happiness: Card type 04
Col 46
Punches 1 through 3, 9

Psychiatric Diagnosis: Card type 04
Cols 49, 50
Punches 00 through 14, 99

Value 1: Card type 03
Cols 70, 71
Punches 00 through 89, 99

Value 2: Card type 03
Cols 72, 73
Punches 00 through 89, 99

Value 3: Card type 03
Cols 74, 75
Punches 00 through 89, 99

Leighton Scale: Card type 04
Cols 33
34
35
36
37
38
39
Punches 1 through 4, 9

Major Decisions: Card type 03
Col 66
Punches 1 through 4, 9

Activities of Past Week: Card type 04
Cols 26
27
28
29
30
31
32
Punches 1, 9

Importance of Education: Card type 03
Col 50
Punches 1 through 5, 9

Education: Card type 04
Cols 74, 75
Punches 00 through 30, 99

Income: Card type 01
Col 19
Punches 1 through 6, 9

Preferred Care: Card type 04
Col 14
Punches 1 through 3, 9

Household Identification: Any card type
Cols 1 through 5
Punches 11001 through 36116

Family Head: Any card type
Cols 7, 8
Punches 01 or 02

Opinion and Knowledge of MR: Card type 02
Cols 34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
Punches 0 through 7, 9

PARI Sub-Scales

EV: Card type 06
Cols 34, 35
Punches 07 through 20, 88, 89, 99

FD: Card type 06
Cols 36, 37
Punches 07 through 20, 88, 89, 99

MC: Card type 06
Cols 38, 39
Punches 07 through 20, 88, 89, 99

PARI Sub-Scales (cont'd.)

CS: Card type 06
Cols 40, 41
Punches 07 through 20, 88, 89, 99

AD: Card type 06
Cols 42, 43
Punches 07 through 20, 88, 89, 99

TABLE 1: COMMON COMPLAINTS X AGE GROUPS X SEX X SAMPLES

COMPLAINTS	Samples																	
	(16-19)		(20-29)		(30-39)		S Age (40-49)		(50-59)		(60-69)		S SUB-TOTALS					
	M		F		M		F		M		F		M		F			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%		
(0)																		
(1)																		
(2)																		
(3)																		
(4)																		
(5)																		
(9)																		
TOTALS																		

A) Tabulations
B) Totals by columns
C) Sub-totals by rows
D) Per cents by columns

This Table is continued using the same age groupings for SS1, SS2, and SS3

TABLE 2: DISABILITIES 1 X AGE GROUPS X SEX X SAMPLES

DISABILITIES	Samples																							
	S Age (0-4)		(5-9)		(10-14)		(15-19)		(20-29)		(30-39)		(40-49)		(50-59)		(60-69)		SUB-TOTAL		S	
	M		F		M		F		M		F		M		F		M		F		M		F	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
SUB-TOTAL 0 + 9																								

A) Tabulations
B) Sub-Totals by rows and columns
C) Per cents by columns to sub-totals

This Table is continued using the same age groupings for SS1, SS2, and SS3

TABLE 3: DISABILITIES 2 X AGE GROUPS X SEX X SAMPLES

DISABILITIES	Sample S Age (0-4) M N	%	F N	%	(5-9) M N	%	F N	%	(10-14) M N	%	F N	%	(15-19) M N	%	F N	%	(20-29) M N	%	F N	%	(30-39) M N	%	F N	%	(40-49) M N	%	F N	%	(50-59) M N	%	F N	%	(60-69) M N	%	F N	%	SUB-TOTAL S M N	%	F N	%
1																																									
2																																									
3																																									
4																																									
5																																									
6																																									
7																																									
8																																									
SUB-TOTAL 0 + 9																																									

A) Tabulations
B) Sub-Totals by rows and columns
C) Per cents by columns to sub-total

This Table is continued using the same age groupings for SS1, SS2, and SS3

GOUGH SCALE: Total Gough Scale scores are summations of two sub-scale scores. Sub-scale item and position numbers are:

Sub-Scale A

Card type 05

Item	Column
1	9
5	13
7	15
10	18
17	25
18	26
22	30
24	32
25	33
26	34
31	39
32	40

Sub-Scale B

Card type 05

Item	Column
2	10
3	11
4	12
6	14
8	16
9	17
11	19
12	20
13	21
14	22
15	23
16	24
19	27
20	28
21	29
23	31
27	35
28	36
29	37
30	38

Sub-Scale A score = total tabulation Code 3
+ Sum of Code 2
+ Total tabulations Code 1 X 3

Sub-Scale B score + Sum of Code 3
+ Sum of Code 2
+ Sum of Code 1

Gough Scale score = Sub-Scale A score + Sub-Scale B score

TABLE 4: GOUGH SCALE SCORES X AGE X SEX GROUPS X SAMPLES

SCORE	Samples																			
	S Age (16-19)		(20-29)		(30-39)		(40-49)		(50-59)		(60-69)		SUB-TOTAL							
	M		F		M		F		M		F		M		F		M		F	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
(32)																				
(33)																				
(34)																				
↓																				
(96)																				
(99)																				
TOTALS																				

A) Tabulations
B) Totals by columns
C) Sub-totals by rows
D) Per cents by columns

This Table is continued using the same age groups for SS1, SS2, and SS3

TABLE 5: PERCEIVED HAPPINESS X AGE GROUPS X SEX X SAMPLES

HAPPINESS	Samples																	
	S Age (16-19)		(20-29)		(30-39)		(40-49)		(50-59)		(60-69)		S SUB-TOTAL	
	M		F		M		F		M		F		M		F		M		F	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
(1)																				
(2)																				
(3)																				
SUB-TOTAL (9)																				
TOTAL																				

A) Tabulations
B) Totals by columns
C) Sub-totals by rows and columns
D) Per cents by columns to sub-total

This Table is continued using the same age groups for SS1, SS2, SS3

TABLE 6: PSYCHIATRIC DIAGNOSIS X AGE GROUPS X SEX X SAMPLES

DIAGNOSIS	Samples																							
	S Age (00-04)		(05-09)		(10-14)		(15-19)		(20-29)		(30-39)		(40-49)		(50-59)		(60-69)		S SUB-TOTAL					
	M		F		M		F		M		F		M		F		M		F		M		F	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
(00)																								
(01)																								
(02)																								
(03)																								
(04)																								
(05)																								
(06)																								
(07)																								
(08)																								
(09)																								
(10)																								
(11)																								
(12)																								
(13)																								
(14)																								
SUB-TOTAL																								
(99)																								

A) Tabulations
B) Sub-totals by rows and columns
C) Per cents by columns to sub-total

This Table is continued using the same age groups for SS1, SS2, and SS3

TABLE 7: PARENTS, VALUE 1 X SEX X SAMPLES

VALUE 1	Samples					
	SM and SF		SS1M and SS1F		SS2M and SS2F	
	M N %	F N %	M N %	F N %	M N %	F N %
(1-18)						
(20-22)						
(30-38)						
(40-45)						
(46)						
(47-48)						
(49)						
(50)						
(51-53)						
(54)						
(55-59)						
(60-64)						
(65-71)						
(87)						
(88)						
Sub-total						
(89)						
(99)						
TOTALS						

A) Tabulations
B) Sub-totals by columns
C) Totals by rows and columns
D) Per cents by columns to sub-total

This Table is continued for SS3M and SS3F and TOTALS of all parental groups

TABLE 8: PARENTS, VALUE 2 X SEX X SAMPLES

VALUE 2	Samples					
	SM and SF		SS1M and SS1F		SS2M and SS2F	
	M N %	F N %	M N %	F N %	M N %	F N %
(1-18)						
(20-22)						
(30-38)						
(40-45)						
(46)						
(47-48)						
(49)						
(50)						
(51-53)						
(54)						
(55-59)						
(60-64)						
(65-71)						
(87)						
(88)						
Sub-total						
(89)						
(99)						
TOTALS						

A) Tabulations
B) Sub-totals by columns
C) Totals by rows and columns
D) Per cents by columns to sub-total

This Table is continued for SS3M and SS3F and TOTALS of all parental groups

TABLE 9: PARENTS, VALUE 3 X SEX X SAMPLES

VALUE 3	Samples					
	SM and SF		SS1M and SS1F		SS2M and SS2F	
	M N %	F N %	M N %	F N %	M N %	F N %
(1-18)						
(20-22)						
(30-38)						
(40-45)						
(46)						
(47-48)						
(49)						
(50)						
(51-53)						
(54)						
(55-59)						
(60-64)						
(65-71)						
(87)						
(88)						
Sub-total						
(89)						
(99)						
TOTALS						

A) Tabulations
B) Sub-totals by columns
C) Totals by rows and columns
D) Per cents by columns to sub-total

This Table is continued for SS3M and SS3F and TOTALS of all parental groups

TABLE 10: SPOUSES, VALUE 1 X AGE GROUPS X SAMPLES

VALUE 1	Samples											
	Spouses of SS1						Spouses of SS2					
	Age						Age					
	(16-29)		(30-49)		(50-98)		(16-29)		(30-49)		(50-98)	
	N	%	N	%	N	%	N	%	N	%	N	%
(1-18)												
(20-22)												
(30-38)												
(40-45)												
(46)												
(47-48)												
(49)												
(50)												
(51-53)												
(54)												
(55-59)												
(60-64)												
(65-71)												
(87)												
(88)												
Sub-total												
(89)												
(99)												
TOTALS												

A) Tabulations
B) Sub-totals by columns
C) Totals by rows and columns
D) Per cents by columns to sub-total

This Table is continued using the same age groups for Spouses of SS3 and TOTALS (Spouses of SS1, SS2, and SS3).

TABLE 11: SPOUSES, VALUE 2 X AGE GROUPS X SAMPLES

VALUE 2	Samples											
	Spouses of SS1						Spouses of SS2					
	Age (16-29)		(30-49)		(50-98)		Age (16-29)		(30-49)		(50-98)	
	N	%	N	%	N	%	N	%	N	%	N	%
(1-18)												
(20-22)												
(30-38)												
(40-45)												
(46)												
(47-48)												
(49)												
(50)												
(51-53)												
(54)												
(55-59)												
(60-64)												
(65-71)												
(87)												
(88)												
Sub-total												
(89)												
(99)												
TOTALS												

A) Tabulations
B) Sub-totals by columns
C) Totals by rows and columns
D) Per cents by columns to sub-totals

This Table is continued using the same age groups for Spouses of SS3 and TOTALS (Spouses of SS1, SS2, and SS3).

TABLE 12: SPOUSES, VALUE 3 X AGE GROUPS X NUMBER

VALUE 3	Samples											
	Spouses of SS1						Spouses of SS3					
	Age						Age					
	(16-29)		(30-49)		(50-98)		(16-29)		(30-49)		(50-98)	
	N	%	N	%	N	%	N	%	N	%	N	%
(1-18)												
(20-22)												
(30-38)												
(40-45)												
(46)												
(47-48)												
(49)												
(50)												
(51-53)												
(54)												
(55-59)												
(60-64)												
(65-71)												
(87)												
(88)												
Sub-total												
(89)												
(99)												
TOTALS												

A) Tabulations
B) Sub-totals by columns
C) Totals by rows and columns
D) Per cents by columns to sub-total

This Table is continued using the same age groups for Spouses of SS3 and TOTALS (Spouses of SS1, SS2, and SS3).

TABLE 13: THE RETARDED, VALUE 1 X AGE GROUPS X SEX X SAMPLES

VALUE 1	Samples																			
	S Age (16-19)		(20-29)		(30-39)		(40-49)		(50-59)		(60-69)		S SUB-TOTALS							
	M		F		M		F		M		F		M		F		M		F	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
(1-18)																				
(20-22)																				
(30-38)																				
(40-45)																				
(46)																				
(47-48)																				
(49)																				
(50)																				
(51-53)																				
(54)																				
(55-59)																				
(60-64)																				
(65-71)																				
(87)																				
(88)																				
Sub-total																				
(89)																				
(99)																				
TOTALS																				

A) Tabulations
B) Sub-totals by rows and columns
C) Totals by columns
D) Per cents by columns to sub-total

This Table is continued using the same age groups for SS1, SS2, and SS3.

TABLE 14: THE RETARDED, VALUE 2 X AGE GROUPS X SEX X SAMPLES

VALUE 2	Samples																			
	S Age (16-19)		(20-29)		(30-39)		(40-49)		(50-59)		(60-69)		S SUB-TOTALS							
	M		F		M		F		M		F		M		F		M		F	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
(1-18)																				
(20-22)																				
(30-38)																				
(40-45)																				
(46)																				
(47-48)																				
(49)																				
(50)																				
(51-53)																				
(54)																				
(55-59)																				
(60-64)																				
(65-71)																				
(87)																				
(88)																				
Sub-total																				
(89)																				
(99)																				
TOTALS																				

A) Tabulations
B) Sub-totals by rows and columns
C) Totals by columns
D) Per cents by columns to sub-total

This Table is continued using the same age groups for SS1, SS2, and SS3.

TABLE 15: THE RETARDED, VALUE 3 X AGE GROUPS X SEX X SAMPLES

VALUE 3	Samples																	
	S Age (16-19)		(20-29)		(30-39)		(40-49)		(50-59)		(60-69)		S SUB-TOTALS	
	M		F		M		F		M		F		M		F			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
(1-18)																		
(20-21)																		
(30-38)																		
(40-45)																		
(46)																		
(47-48)																		
(49)																		
(50)																		
(51-53)																		
(54)																		
(55-59)																		
(60-64)																		
(65-71)																		
(87)																		
(88)																		
Sub-total																		
(89)																		
(99)																		
TOTALS																		

A) Tabulations
B) Sub-totals by rows and columns
C) Totals by columns
D) Per cents by columns to sub-total

This Table is continued using the same age groups for SS1, SS2, and SS3.

Note: Table 16 excludes subjects with punch 9 for any position in card type 04, columns 33 through 39. The Leighton Scale is the summation of scores for columns 33 through 39 on card type 04.

TABLE 16: LEIGHTON SCALE X AGE GROUPS X SEX X SAMPLES

LEIGHTON SCALE	Samples S Age (16-29) M N % F N %	(30-49) M N % F N %	(50-69) M N % F N %	Sub-total M N % F N %
(07)				
(08)				
(09)				
(10)				
(11)				
(12)				
(13)				
(14)				
(15)				
(16)				
(17)				
(18)				
(19)				
(20)				
(21)				
(22)				
(23)				
(24)				
(25)				
(26)				
(27)				
(28)				
TOTALS				

A) Tabulations
B) Sub-totals by rows
C) Totals by columns
D) Per cents by columns

This Table is continued using the same groups for SS1, SS2, and SS3. Table 16 is also continued in the same format for all significant person groups. SM and SF, SS1M and SS1F, SS2M and SS2F, SS3M and SS3F, Spouses of SS1 + SS2 + SS3, are divided into age groups by sex as follows:

	Age Group				
	(16-29)	(30-49)	(50-69)	(70-98)	Sub-total

Siblings of SS1, Siblings of SS2, and Siblings of SS3 are divided by sex. Age is disregarded since only unmarried siblings between the ages of 16 and 24 are considered in this Table.

Note: Table 17 cut out is punch 01 and punch 03 for columns 7 and 8 of any card types 01 through 04. These must be both male head (01) and a wife (03) in each family. Data for the Table are drawn from these subjects and any other subjects with identical codes for columns 1 through 6.

TABLE 17: MAJOR DECISIONS X AGE GROUPS X SEX X MR AND SIGNIFICANT PERSONS GROUPS

DECISIONS	Sample																	
	S Age (16 - 29) M N %	F N %	(30 - 49) M N %	F N %	(50 - 69) M N %	F N %	Sub-total M N %	F N %	SS1 Age (16 - 29) M N %	F N %	(30 - 49) M N %	F N %	(50 - 69) M N %	F N %	Sub-total M N %	F N %
(1)																
(2)																
(3)																
(4)																
Sub-total																
(9)																

A) Tabulations
B) Sub-totals by rows and columns
C) Per cents by columns

Table 17 is continued using the same age groups for SS2 and SS3. Significant person groups SM and SF, SS1M and SS1F, SS2M and SS2F, SS3M and SS3F, Spouses of SS1, Spouses of SS2, Spouses of SS3, are included using the same format with the following age groups:

Age Groups

(16-29) (30-49) (50-69) (70-98) Sub-total

Siblings of SS1, Siblings of SS2, Siblings of SS3, are divided by sex by age group (16-24).

Note: Table 18 does not include any subjects with punch 9 for card type 04, columns 26 through 32. Activities score is the total of Code 1's, columns 26 through 32, card type 04.

TABLE 18: ACTIVITIES OF PAST WEEK X SEX X MR AND SIGNIFICANT PERSONS GROUPS

ACTIVITIES SCORE	Sample																			
	S				SS1				SS2				SS3				SM and SF				SS1M and SS1F			
	M		F		M		F		M		F		M		F		M		F		M		F	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1																								
2																								
3																								
4																								
5																								
6																								
7																								
TOTALS																								

A) Tabulations
B) Totals by columns
C) Per cents by columns

Table 18 is continued by sex for SS2M and SS2F, SS3M and SS3F, Spouses of SS1, Spouses of SS2, Spouses of SS3, Siblings of SS1, Siblings of SS2, and Siblings of SS3.

TABLE 19: IMPORTANCE OF EDUCATION X AGE GROUPS X SEX X SAMPLES

IMPORTANCE OF EDUCATION	Samples S Age (16 - 29) M N %	F N %	(30 - 49) M N %	F N %	(50 - 69) M N %	F N %	SUB-TOTAL M N %	F N %
(1) (2) (3) (4) (5) (9)								
TOTALS								

A) Tabulations
B) Sub-totals by rows
C) Totals by columns
D) Per cents by columns

Table 19 is continued using the same age groups for SS1, SS2, and SS3. Significant person groups SM and SF, SS1M and SS1F, SS2M and SS2F, SS3M and SS3F, Spouses of SS1, Spouses of SS2, Spouses of SS3, are included using the same format, with the following age groups.

Age Groups				
(16-29)	(30-49)	(50-69)	(70-98)	Sub-total

Siblings of SS1, Siblings of SS2, Siblings of SS3, are divided by sex by age group (16-24).

TABLE 20: PREFERRED CARE X SEX X EDUCATION OF PARENT

PREFERRED CARE	Samples																			
	SM and SF Education										SS1M and SS1F Education									
	(00-08)		(09-12)		(13-30)		SUB-TOTAL				(00-08)		(09-12)		(13-30)		SUB-TOTAL			
	M		F		M		F		M		F		M		F		M		F	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
1																				
2																				
3																				
Sub-total 9																				
TOTAL																				

A) Tabulations
B) Sub-totals by rows and columns
C) Totals by columns
D) Per cents by columns to sub-totals

Table 20 is continued using the same educational groupings for SS2M and SS2F, SS3M and SS3F.

TABLE 21: PREFERRED CARE X INCOME X AGE GROUPS X SAMPLES

PREFERRED CARE	Samples S Income (1+2) Age (16-29) M N %	F N %	(30-49) M N %	F N %	(50-69) M N %	F N %	Sub-total M N %	F N %	(3+4) Age (16-29) M N %	F N %	(30-49) M N %	F N %	(50-69) M N %	F N %	Sub-total M N %	F N %
1																
2																
3																
Sub-total																
9																

TABLE 21: (cont'd.) PREFERRED CARE X INCOME X AGE GROUPS X SAMPLES

PREFERRED CARE	Samples S Income (5+6) Age (16-29) M N	%	F N	%	(30-49) M N	%	F N	%	(50-69) M N	%	F N	%	Sub-total M N	%	F N	%	TOTAL M N	%	F N	%
1																				
2																				
3																				
Sub-total																				
9																				

A) Tabulations
B) Sub-totals by rows and columns
C) Totals by rows
D) Per cents by columns to sub-total

Table 21 is continued using the same income and age groups for SS1, SS2, and SS3. Significant person groups SM and SF, SS1M and SS1F, SS2M and SS2F, SS3M and SS3F, Spouses of SS1, Spouses of SS2, Spouses of SS3 are included using the same format with the following age groups:

Age Groups
(16-29) (30-49) (50-69) (70-98) Sub-total

Similarly, Siblings of SS1, Siblings of SS2, Siblings of SS3 use the same income groups. Siblings are divided by sex with only age group (16-24).

TABLE 22: OPINIONS AND KNOWLEDGE OF MR X SAMPLES

Note: There is only one opinion and knowledge questionnaire per household. Items of the opinion and knowledge questionnaire are contained on card type 02, columns 34 through 48.

RESPONSE	Samples: S Family Head* — Item 1		2		3		4		5		6		7		7		9		10		11		12		13		14		15	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
(0)																														
(1)																														
(2)																														
(3)																														
(4)																														
(5)																														
(6)																														
(7)																														
TOTALS																														

* Data of families with card type 02, columns 7, 8 punched either 01 or 02

TABLE 22: (cont'd.) OPINIONS AND KNOWLEDGE OF MR X SAMPLES

RESPONSE	Samples SS3 + SS2 + SS1 Family Heads Item 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 N % N % N % N % N % N % N % N % N % N % N % N % N % N % N %
(0)	
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
TOTALS	

A) Tabulations
B) Totals by columns
C) Per cents by columns

TABLE 23: PARI SUB-SCALE SCORE X AGE X SAMPLES

SUB-SCALE SCORE	Sample / Sub-Scale EV: SF Age (16-29) N %	SF Age (30-49) N %	SF Age (50-69) N %	SS1F Age (16-29) N %	SS1F Age (30-49) N %	SS1F Age (50-69) N %	SS2F Age (14-29) N %	SS2F Age (30-49) N %	SS2F Age (50-69) N %
(05)									
(06)									
(07)									
(08)									
(09)									
(10)									
(11)									
(12)									
(13)									
(14)									
(15)									
(16)									
(17)									
(18)									
(19)									
(20)									
TOTALS									

TABLE 23: (cont'd.) PARI SUB-SCALE SCORE X AGE X SAMPLES

SUB-SCALE SCORE	Sample Sub-Scale EV SS3F Age (16-29) M %	(30-49) M %	(50-69) N %	Sub-total N %
(05)				
(06)				
(07)				
(08)				
(09)				
(10)				
(11)				
(12)				
(13)				
(14)				
(15)				
(16)				
(17)				
(18)				
(19)				
(20)				
TOTALS				

A) Tabulations
B) Totals by columns
C) Sub-totals by rows
D) Per cents by columns

Table 23 is continued using the same samples by age groups for sub-scales FD, MC, CS, and AD.

SECTION 7: Interviewer Evaluation

FIF Interviewer:	Card type 01 Cols 77, 78 Punches 00 through 15
ILH Interviewer:	Card type 03 Cols 77, 78 Punches 00 through 15
WISC Interviewer: (Verbal and Performance)	Card type 07 Cols 77, 78 Punches 00 through 15
DAP Interviewer:	Card type 10 Cols 47, 48 Punches 00 through 15
SMS Interviewer:	Card type 09 Cols 9, 10 Punches 00 through 15
PARI Interviewer:	Card type 06 Cols 77, 78 Punches 00 through 15
WISC Age of Respondent:	Card type 03 Cols 15, 16 Punches 20 through 54
WISC Verbal Score:	Card type 07 Cols 67, 68 Punches 00 to 58
WISC Performance Score:	Card type 08 Cols 39, 40 Punches 00 to 91
SMS Age of Respondent:	Card type 03 Cols 15 through 20 Punches 00 00 00 through 04 11 30
SMS Score:	Card type 09 Cols 16, 17 Punches 00 to 89

TABLE 1: WISC SCORES (VERBAL AND PERFORMANCE) X AGE GROUPS X INTERVIEWER

Age of Respondent	WISC Verbal Score														
	WISC Interviewers														
	(00)	(01)	(02)	(03)	(04)	(05)	(06)	(07)	(08)	(09)	(10)	(11)	(12)	(13)	(14)	(15)
(20-24)																
$\frac{N}{X}$																
ΣX																
ΣX^2																
$\Sigma(X)^2$																
(25-29)																
$\frac{N}{X}$																
ΣX																
ΣX^2																
$\Sigma(X)^2$																
(30-34)																
$\frac{N}{X}$																
ΣX																
ΣX^2																
$\Sigma(X)^2$																
(35-39)																
$\frac{N}{X}$																
ΣX																
ΣX^2																
$\Sigma(X)^2$																
(40-44)																
$\frac{N}{X}$																
ΣX																
ΣX^2																
$\Sigma(X)^2$																

TABLE 1: (cont'd.) WISC SCORES (VERBAL AND PERFORMANCE X AGE GROUPS X INTERVIEWER

Age of Respondent	WISC Verbal Score														
	WISC Interviewers														
	(00)	(01)	(02)	(03)	(04)	(05)	(06)	(07)	(08)	(09)	(10)	(11)	(12)	(13)	(14)	(15)
(45-49)																
$\bar{X}$																
ΣY																
ΣX^2																
$\Sigma(X)^2$																
(50-54)																
$\bar{X}$																
ΣY																
ΣY^2																
$\Sigma(X)^2$																

A) Tabulations
B) By age groups: N = number of scores

$\bar{X}$ = mean of scores

ΣY = sum of scores

ΣY^2 = sum of squared scores

$\Sigma(X)^2$ = sum of scores squared

Table 1 is continued for WISC Performance Scores by the same WISC Interviewer.

TABLE 2: SMS SCORES X AGE GROUPS X INTERVIEWERS

Age of Respondent	SMS Scores														
	Interviewers														
	(00)	(01)	(02)	(03)	(04)	(05)	(06)	(07)	(08)	(09)	(10)	(11)	(12)	(13)	(14)	(15)
(00 00 00-00 11 30)																
$\frac{N}{X}$																
ΣX																
ΣX^2																
$\Sigma(X)^2$																
(01 00 00-01 11 30)																
$\frac{N}{X}$																
ΣX																
ΣX^2																
$\Sigma(X)^2$																
(02 00 00-02 11 30)																
$\frac{N}{X}$																
ΣX																
ΣX^2																
$\Sigma(X)^2$																
(03 00 00-03 11 30)																
$\frac{N}{X}$																
ΣX																
ΣX^2																
$\Sigma(X)^2$																

TABLE 2: (cont'd.) SMS SCORES X AGE GROUPS X INTERVIEWERS

Age of Respondent	SMS Scores														
	Interviewers														
	(00)	(01)	(02)	(03)	(04)	(05)	(06)	(07)	(08)	(09)	(10)	(11)	(12)	(13)	(14)	(15)
(04 00 00- 04 11 30)																
$\frac{N}{X}$																
ΣX																
ΣX^2																
$\Sigma(X)^2$																

A) Tabulations

B) By age groups N = number of scores

$\bar{X}$ = mean of scores

ΣX = sum of scores

ΣX^2 = sum of squared scores

$\Sigma(X)^2$ = sum of scores squared

TABLE 3: INTERVIEWERS X INSTRUMENTS ADMINISTERED

INTERVIEWERS	Instruments F1F	1LH	WISC	DAP	SMS	PARI	TOTAL
00							
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
TOTALS							

A) Tabulations
B) Totals for instruments by rows
C) Totals by columns

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1. Portal-Foster, C. W. Elements of Research Design, Report No. 1, Mental Retardation in a Canadian Province. Ottawa: Canadian Welfare Council, Research Branch, 1968, pp. 22.

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